Service Manual

Audio System

TENTATIVE

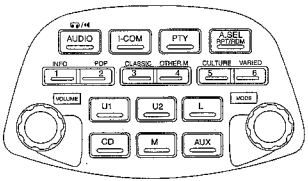
RM-G45EA

Colour

(K).....Black Type

Area

(E).....Europe.



Specifications

General

Power supply:	DC 12 V
Power consumption:	Less than 8 A
Dimensions (W×H×D):	238×75×208 mm
Weight:	1.14 kg

Amplifier section

Main amplifier:	25 W×4 (3 Ω, THD 10 %)
Head set:	1 W×4 (8 Ω, THD 10 %)

Tuner section

Tuning mode:	PLL synthesizer
Frequency range:	
UKW;	87.50 – 108.0 MHz
MW;	522 – 1620 kHz
LW;	153 – 281 MHz
Intermediate frequency:	
UKW:	10.7 MHz
MW:	10.71 MHz (1 st), 450 kHz (2 nd)
LW:	10.71 MHz (1 st), 450 kHz (2 nd)

Usable sensitivity:	
UKW;	Less than 15 dBμV
MW;	Less than 35 dBμV
LW;	Less than 44 dBμV
Image interference:	
UKW;	More than 35 dBμ
MW;	More than 40 dBμ
LW;	More than 40 dBμ
S/N:	
UKW;	More than 45 dBμ
MW;	More than 40 dBμ
LW;	More than 40 dBμ
Separation:	More than 20 dB
Antenna section impedance:	75 Ω

Notes: Specifications are subject to change without notice.
Weights and dimensions are approximate.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

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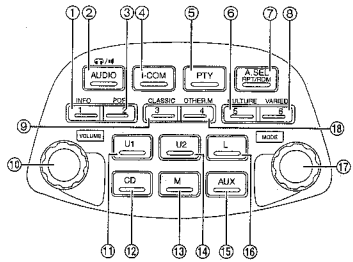
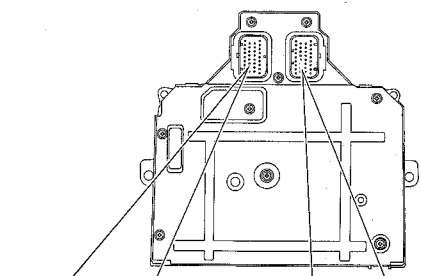
1 Location of Controls

<Front side>

① Preset channel (1) button
② Audio button
③ Preset channel (2) button
④ I-COM button
⑤ PTY button
⑥ Preset channel (5) button
⑦ A.SEL/RPT button
⑧ Preset channel (6) button
⑨ Preset channel (3) button
⑩ Volume knob
⑪ U1 button
⑫ CD button
⑬ M button
⑭ U2 button
⑮ AUX button
⑯ L button
⑰ MODE knob
⑱ Preset channel (4) button



<Rear side>



BUS terminal		BUS terminal	
1. FL (+)	24. SW KS3	1. AUX L	24. CB MIC OUT
2. FL (-)	25. DISP REQ	2. BUS L (-)	25. CB MIC GND
3. FR (+)	26. GND (MAIN)	3. BUS L (+)	26. STARTER (MUTE)
4. FR (-)	27. HS MIC DR	4. BUS R (-)	27. CB STARTER (MUTE)
5. RR (+)	28. HS MIC PA	5. BUS R (+)	28. CB AUDIO GND
6. RR (-)	29. HS MIC ED	6. BUS (-)	29. CB AUDIO IN
7. DISP GND	30. HS MIC EP	7. BUS (+)	30. CB RST
8. DISP SO	31. SW K14	8. BUS SYS ACC	31. CB PTT
9. DISP SCK	32. SW K12	9. BUS +B	32. CB SO
10. RL (+)	33. VBAT (ACC)	10. AUX R	33. CB SI
11. RL (-)	34. BU	11. BUS AV S	34. CB SCK
12. HS OUT LP		12. BUS GND	
13. HS OUT LD		13. BUS GND	
14. SW GND		14. BUS ILLUMI	
15. SW K13		15. NC	
16. SW K11		16. NC	
17. DISP CE		17. MUTE IN	
18. HS OUT RR		18. AUX GND	
19. HS OUT RD		19. SPEED	
20. HS OUT ED		20. CB AUDIO MUTE	
21. HS OUT EP		21. CB PERM	
22. SW KS1		22. CB DET	
23. SW KS2		23. CB SHIELD	

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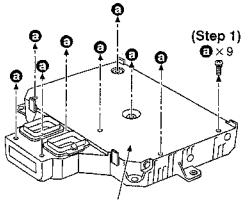
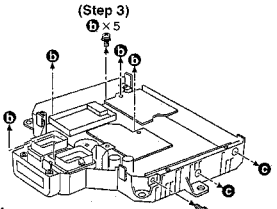
2 Disassembly Instructions

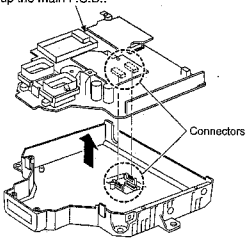
2.1. Removal of the main P.C.B., sub (1) P.C.B. and sub (2) P.C.B.



(Step 2)
Remove the bottom plate.

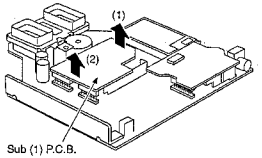


(Step 5)
Lift up the main P.C.B..

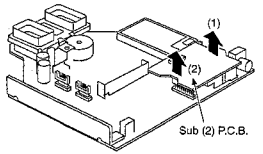


NOTE:
When installing the main P.C.B., insert the connectors on the straight carefully.

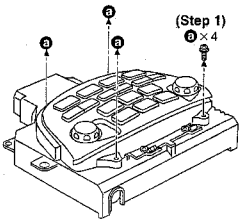
(Step 6)
Pull out the sub (1) P.C.B. in the direction of arrow (1), and remove it in the direction of arrow (2).



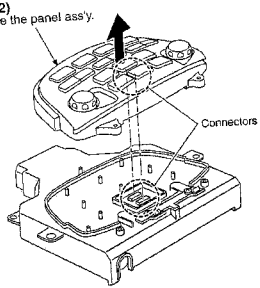
(Step 7)
Pull out the sub (2) P.C.B. in the direction of arrow (1), and remove it in the direction of arrow (2).



2.2. Removal of the operation P.C.B.



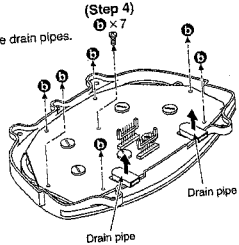
(Step 2)
Remove the panel ass'y.



NOTE:
When installing the panel ass'y, insert the connectors on the straight carefully.

(Step 3)
Pull out the drain pipes.

(Step 4)
ⓑ×7



■ Notice for installation of the drain pipe

Position the drain pipe as illustration Fig.1.

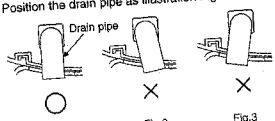
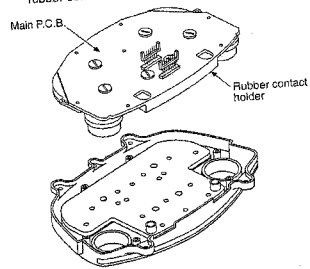
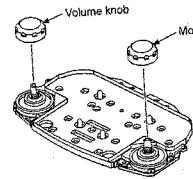


Fig.1 Fig.2 Fig.3

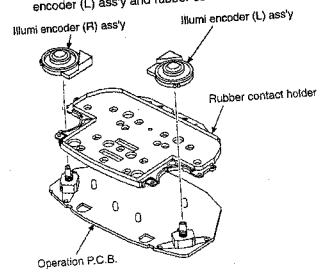
(Step 5)
Remove the main P.C.B. and rubber contact holder.



(Step 6)
Pull out the volume knob and mode knob.



(Step 7)
Remove the illumi encorder (R) ass'y, illumi encoder (L) ass'y and rubber contact holder.



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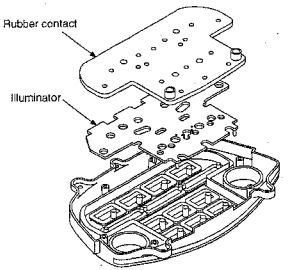
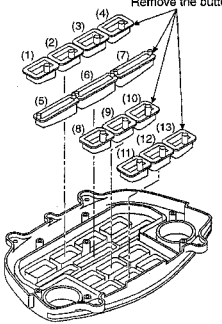
2.3. Removal of the rubber contact, illuminator and buttons

• Follow the **(Step 1)** - **(Step 5)** of item 2.2.

(Step 1)
Remove the rubber contact and illminator.



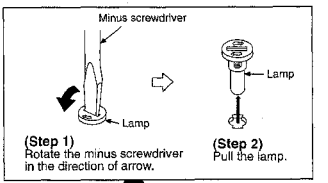
(Step 2)
Remove the buttons.

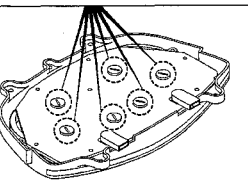


(1) ··· A.SEL RPT/RDM button
(2) ··· PTY button
(3) ··· I-COM button
(4) ··· AUDIO button
(5) ··· 5, 6 button
(6) ··· 3, 4 button
(7) ··· 1, 2 button
(8) ··· L button
(9) ··· U2 button
(10) ··· U1 button
(11) ··· AUX button
(12) ··· M button
(13) ··· CD button

2.4. Removal of the lamp

• Follow the **(Step 1)**, **(Step 2)** of item 2.2.





3 Schematic Diagram Notes

- **This schematic diagram may be modified at any time with the development of new technology.**

Notes:

S602:	Mode switch (MODE)
S603:	Volume mode switch (V MODE)
S651:	Audio switch (AUDIO)
S652:	I-com switch (I-COM)
S653:	Preset channel 1 switch (CH1)
S654:	Preset channel 2 switch (CH2)
S655:	Preset channel 4 switch (CH4)
S656:	Preset channel 5 switch (CH5)
S658:	PTY switch (PTY)
S659:	Auto select/repeat switch (A.SEL/RPT)
S660:	Preset channel 3 switch (CH3)
S661:	Preset channel 6 switch (CH6)
S662:	Radio band select switch (U1)
S663:	Radio band select switch (U2)
S664:	Radio band select switch (LW)
S665:	Aux switch (AUX)
S666:	Radio band select switch (MW)
S667:	CD select switch (CD)

- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

  No mark : FM
  ( ) : AM

- Important safety notice:

  Components identified by ⚠ mark have special characteristics important for safety.

  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

  When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

- The supply part number is described alone in the replacement parts list.

- **Caution!**

  IC and LSI are sensitive to static electricity.

  Secondary trouble can be prevented by taking care during repair.

  Cover the parts boxes made of plastics with aluminum foil.

  Ground the soldering iron.

  Put a conductive mat on the work table.

  Do not touch the legs of IC or LSI with the fingers directly.

- Voltage and signal line

  ⟶ : Positive voltage line
  ▭▷ : FM signal line
  ▭▭▷ : FM OSC signal line
  ■▶ : AM signal line
  ■■▶ : AM OSC signal line
  ■■▶ : FM/AM Vcap cont. signal line

⟹ : Main signal line

4 Schematic Diagram

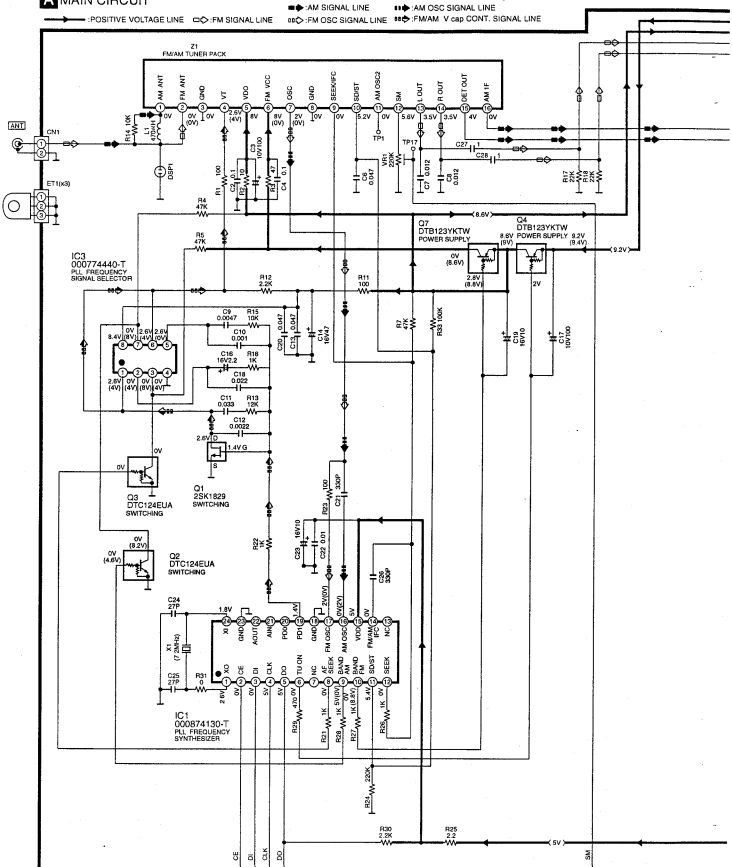
SCHEMATIC DIAGRAM-1

A MAIN CIRCUIT

Note: The number which noted at the connectors on the schematic diagram as "SCHEMATIC DIAGRAM-1" or "SCHEMATIC DIAGRAM-2" indicates the schematic diagram serial number located on the left corner in the schematic diagram.

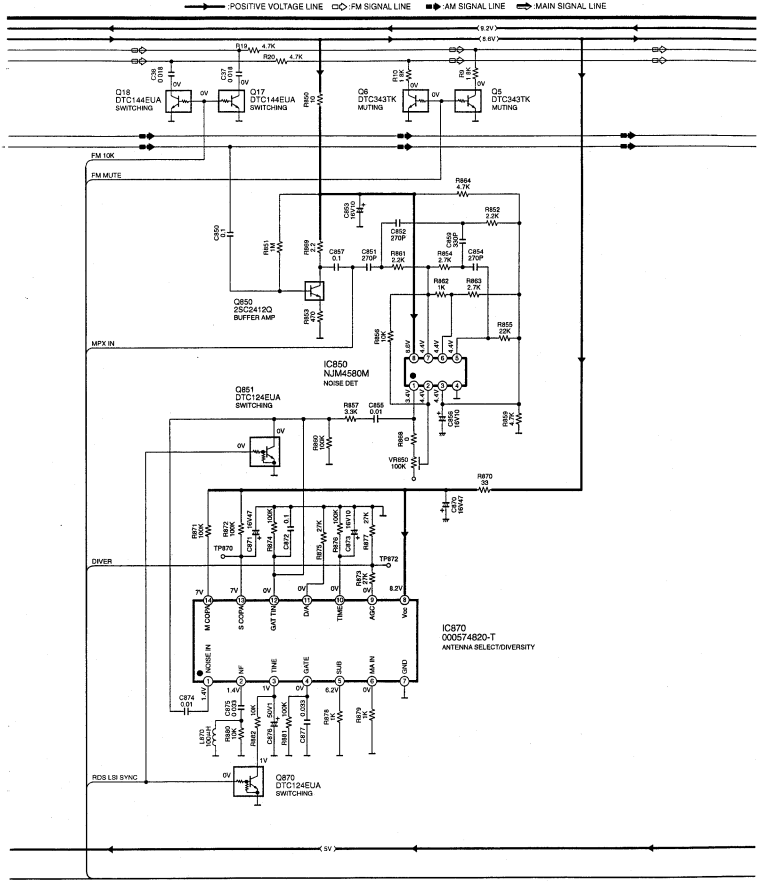
:AM SIGNAL LINE :AM OSC SIGNAL LINE

:POSITIVE VOLTAGE LINE :FM SIGNAL LINE :FM OSC SIGNAL LINE :FM/AM V cap CONT. SIGNAL LINE



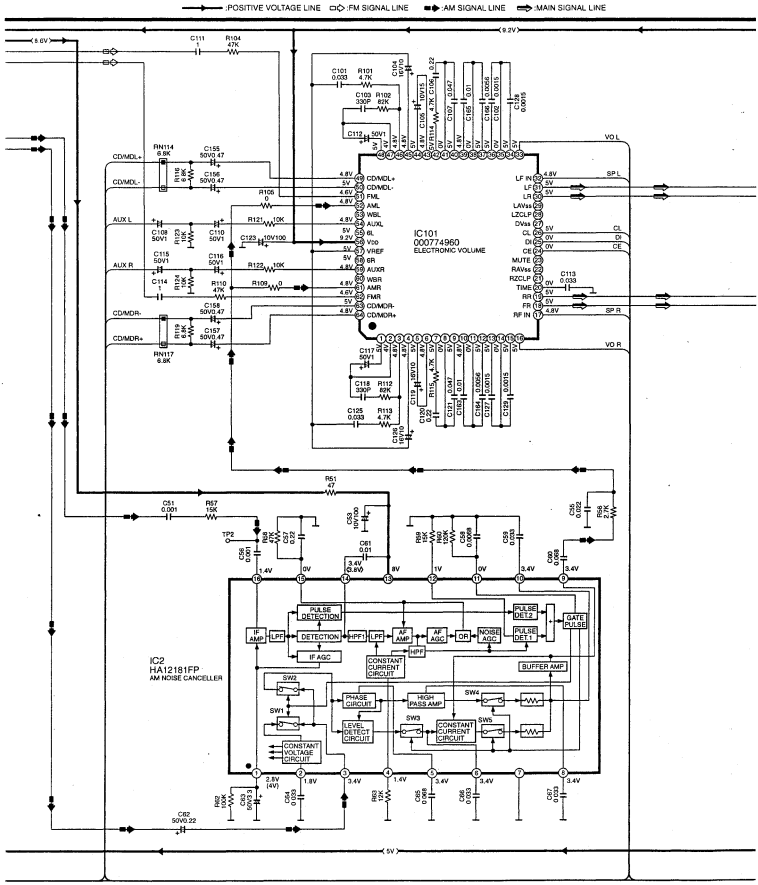
RM-G45(EAG) MAIN SCHEMATIC DIAGRAM

SCHEMATIC DIAGRAM-2



RM-G45(EAG) MAIN SCHEMATIC DIAGRAM

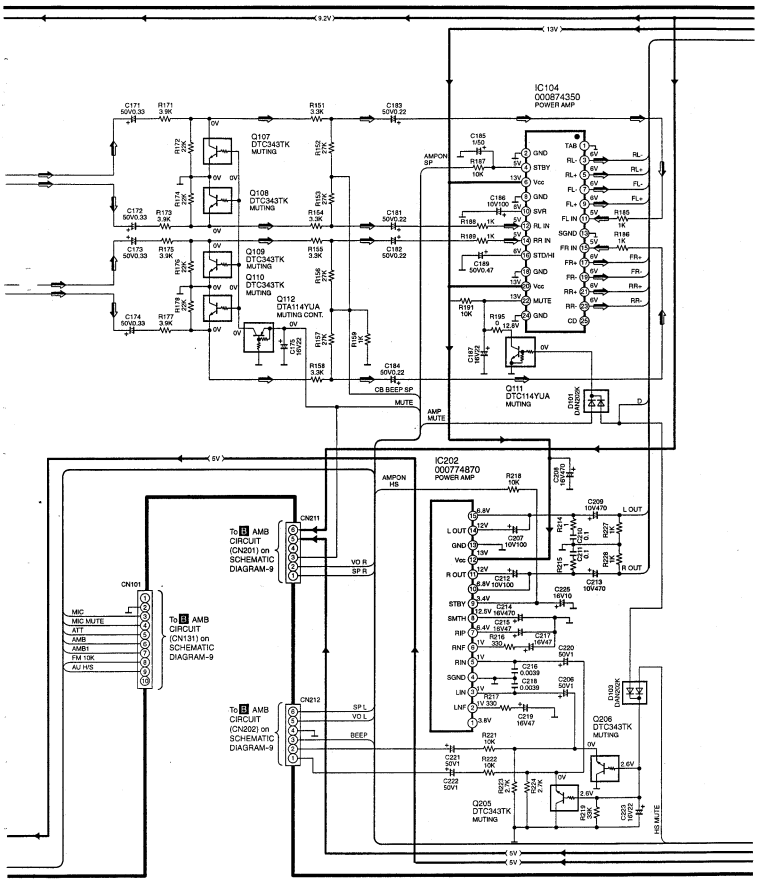
SCHEMATIC DIAGRAM-3



RM-G45(EAG) MAIN SCHEMATIC DIAGRAM

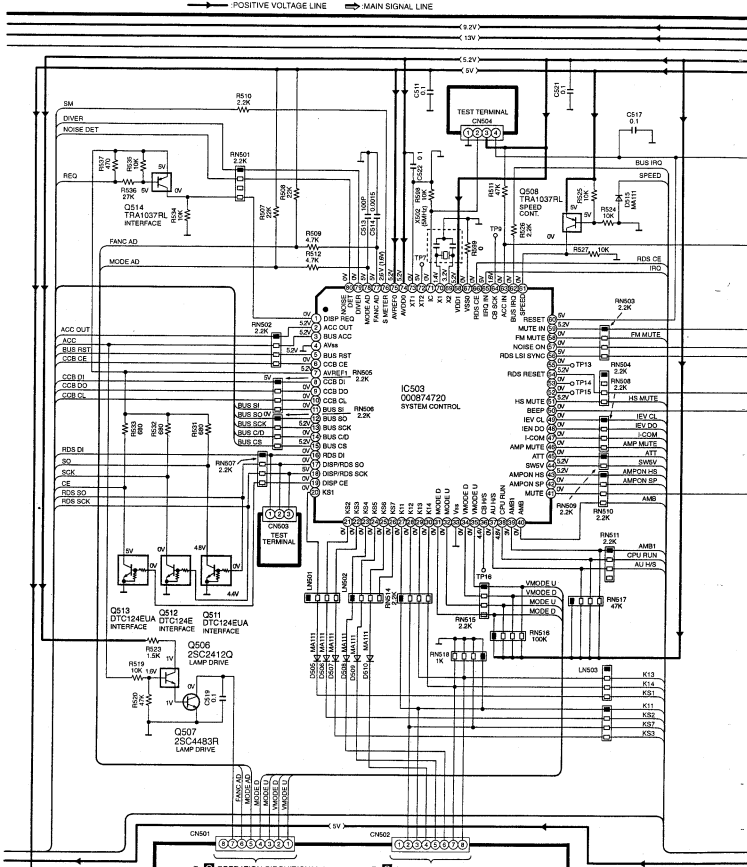
SCHEMATIC DIAGRAM-4

→ :POSITIVE VOLTAGE LINE ⇒ :MAIN SIGNAL LINE



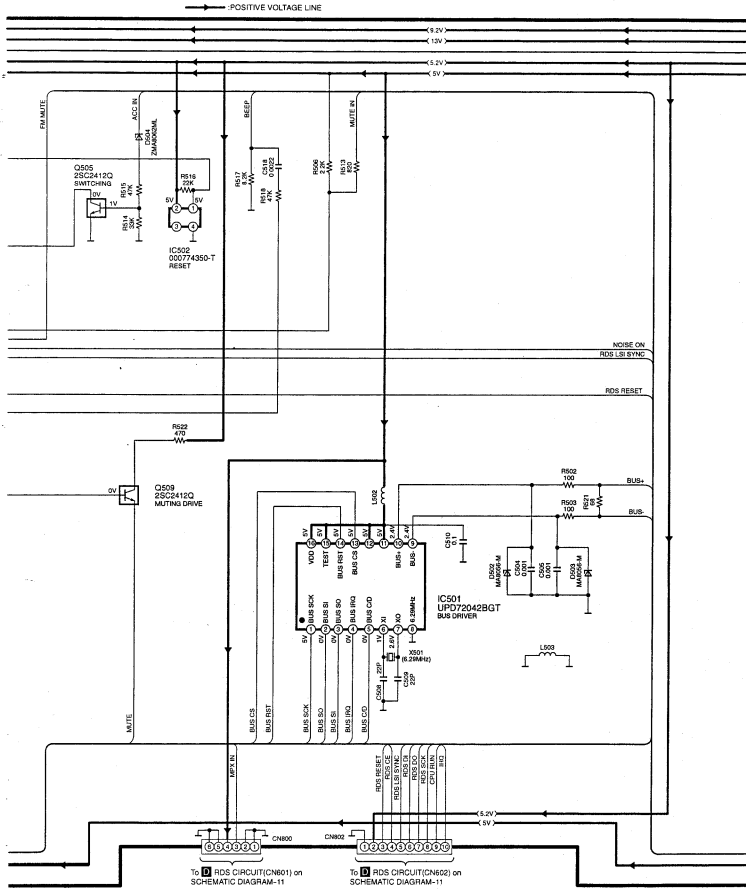
RM-G45(EAG) MAIN SCHEMATIC DIAGRAM

SCHEMATIC DIAGRAM-5



RM-G45(EAG) MAIN SCHEMATIC DIAGRAM

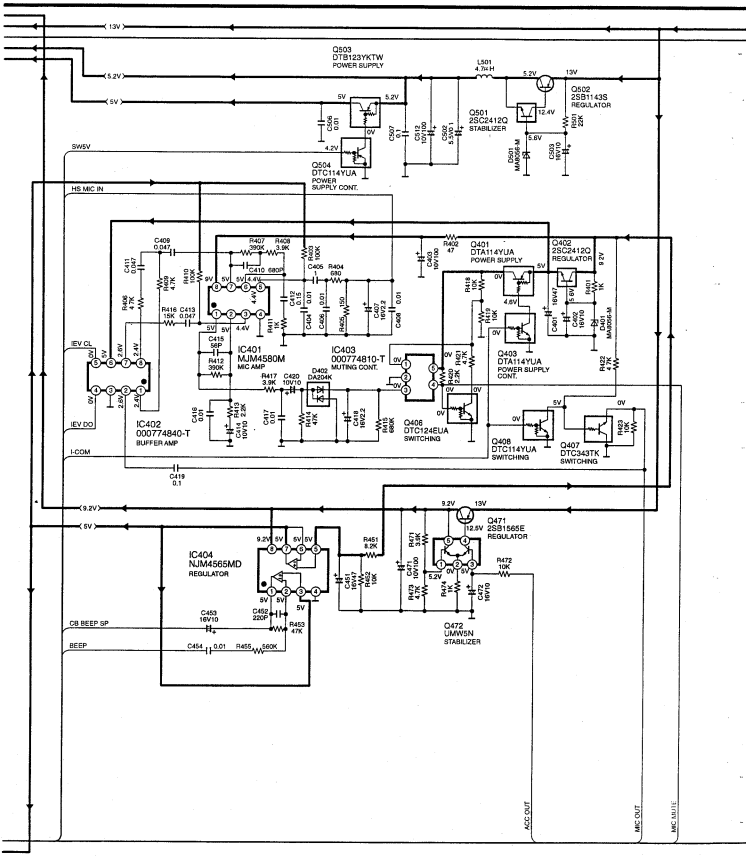
SCHEMATIC DIAGRAM-6



RM-G45(EAG) MAIN SCHEMATIC DIAGRAM

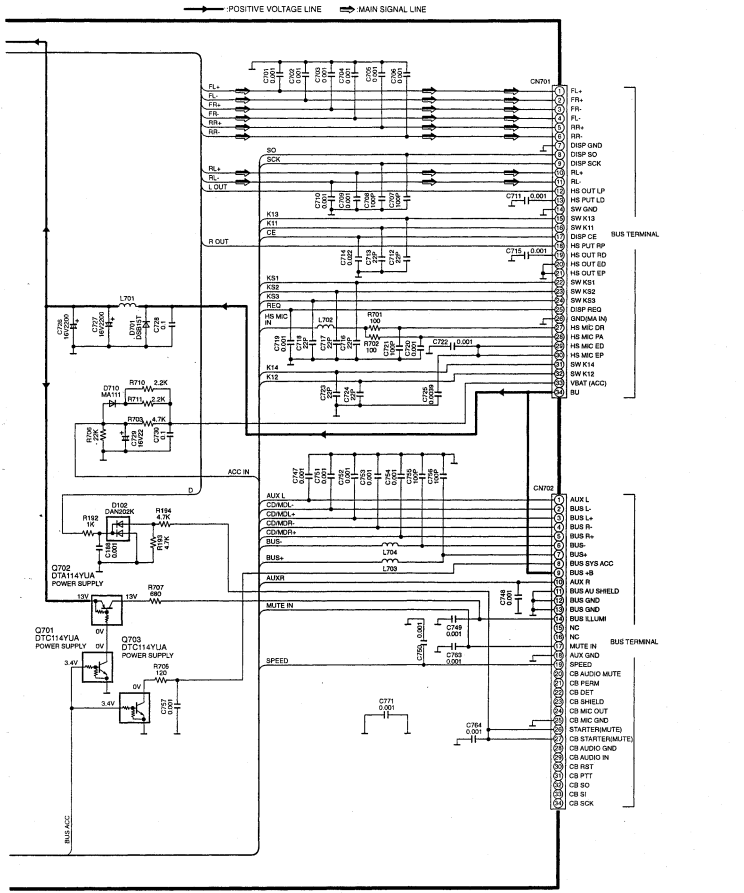
SCHEMATIC DIAGRAM-7

:POSITIVE VOLTAGE LINE



RM-G45(EAG) MAIN SCHEMATIC DIAGRAM

SCHEMATIC DIAGRAM-8

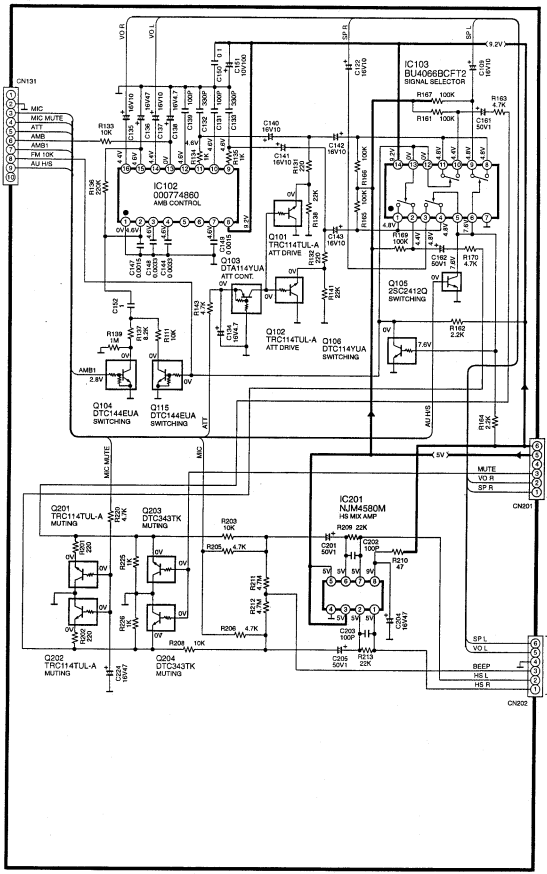


RM-G45(EAG) MAIN SCHEMATIC DIAGRAM

SCHEMATIC DIAGRAM-9

B AMB CIRCUIT

→ :POSITIVE VOLTAGE LINE

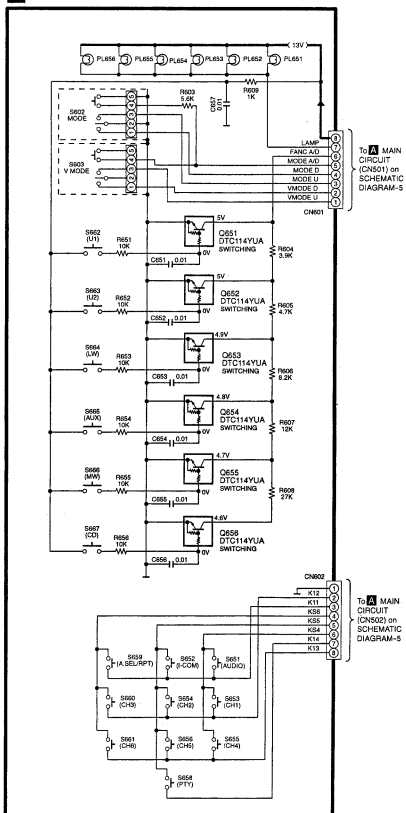


RM-G45(EAG) AMB SCHEMATIC DIAGRAM

SCHEMATIC DIAGRAM-10

→ :POSITIVE VOLTAGE LINE

C OPERATION CIRCUIT

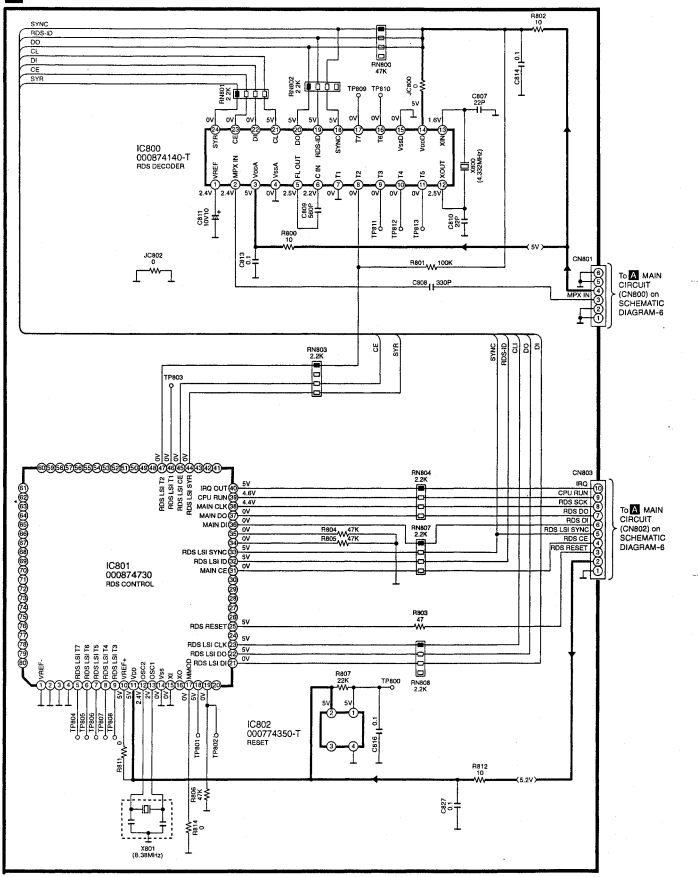


RM-G45(EAG) OPERATION SCHEMATIC DIAGRAM

SCHEMATIC DIAGRAM-11

D RDS CIRCUIT

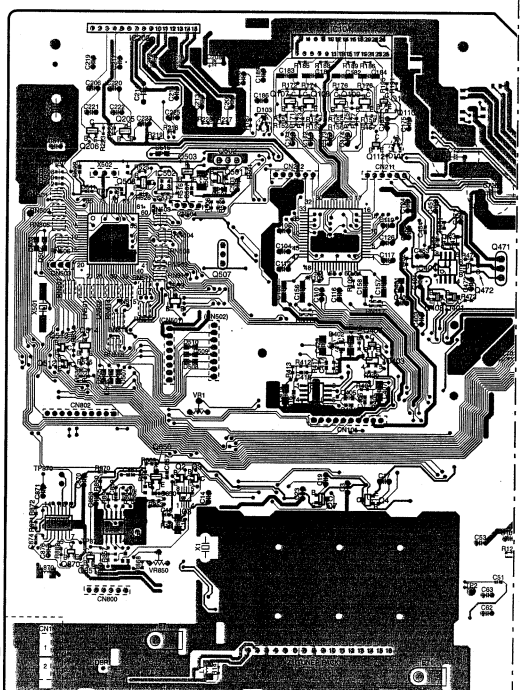
:POSITIVE VOLTAGE LINE



RM-G45(EAG) RDS SCHEMATIC DIAGRAM

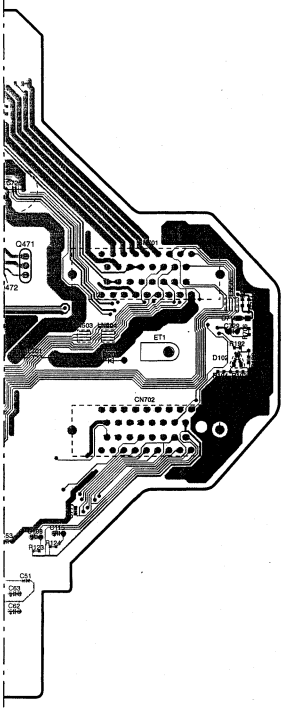
5 Printed Circuit Board Diagram

A MAIN P.C.B.(SIDE:A)

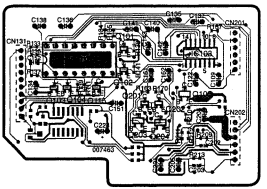


RM-G45(EAG)
MAIN(SIDE:A) P.C.B.

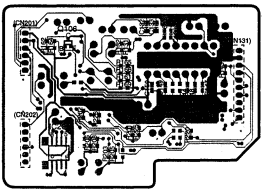
G H I J K L



B AMB P.C.B.(SIDE:A)

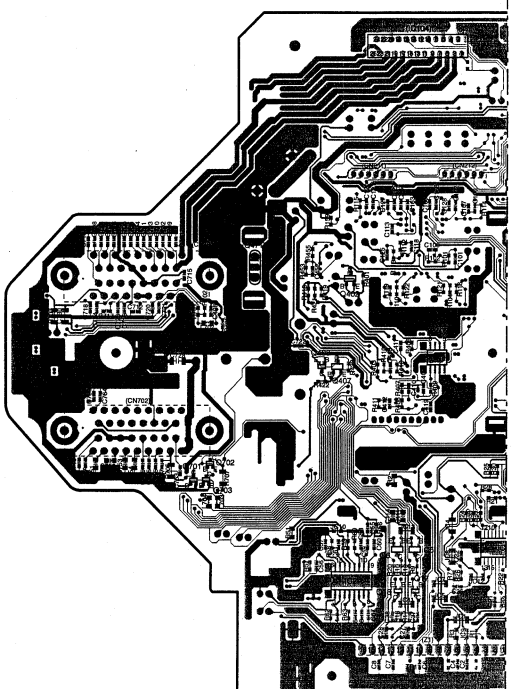


B AMB P.C.B. (SIDE:B)



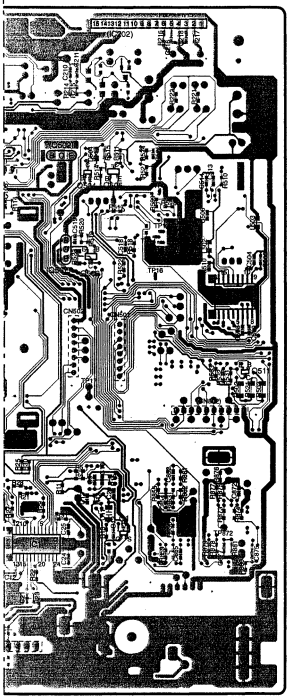
RM-G45(EAG)
MAIN(SIDE:A),AMB P.C.B.

A MAIN P.C.B.(SIDE:B)

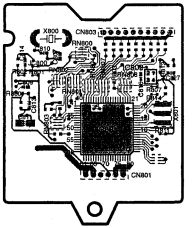


RM-G45(EAG)
MAIN(SIDE:B) P.C.B.

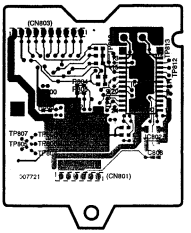
G H I J K L



D RDS P.C.B.(SIDE:A)

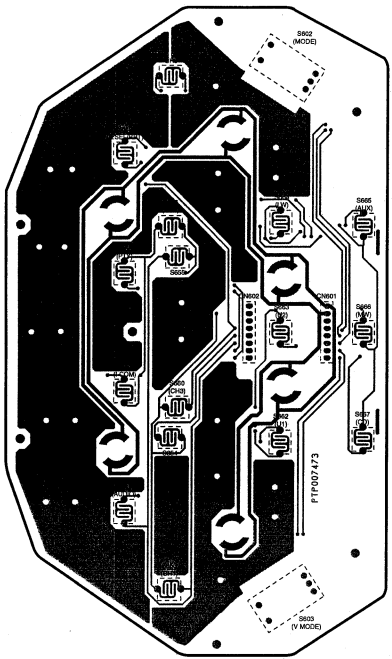


D RDS P.C.B.(SIDE:B)



RM-G45(EAG)
MAIN(SIDE:B),RDS P.C.B.

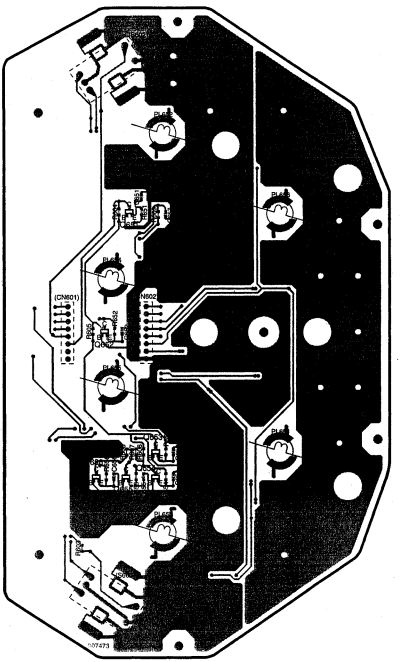
C OPERATION P.C.B.(SIDE:A)



RM-G45(EAG)
OPERATION(SIDE:A) P.C.B.

G H I J K L

C OPERATION P.C.B.(SIDE:B)



RM-G45(EAG)
OPERATION(SIDE:B) P.C.B.

6 Type Illustration of ICs and Diodes

000874130-T	24PIN	BU4066BFT2	14PIN
000774440-T	8PIN	NJM4580M	8PIN
00077840-T	8PIN	NJM4565MD	8PIN
000874140-T	24PIN	000574820-T	14PIN

000774960 | 64PIN

000774860

000774870

000774350-T

000874720 | 80PIN

000874730 | 80PIN

HA12181FP
UPD72042BGT

000874350

DTB123YKTW

DTC124EUA
DTC343TK
DTC144EUA
TRC114TUL-A
DTA114YUA
2SC2412Q
DTC343TK
TRA1037RL

2SB1565E

UMW5N

2SB1143S

2SC4483R

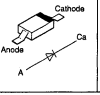
2SK1829

DAN202K

MA8056-M
ZMA8062ML

DA204K

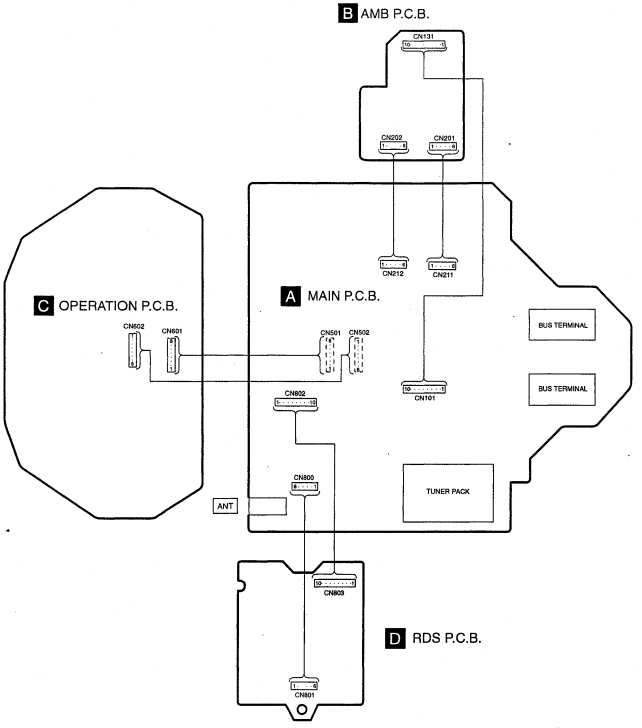
MA111



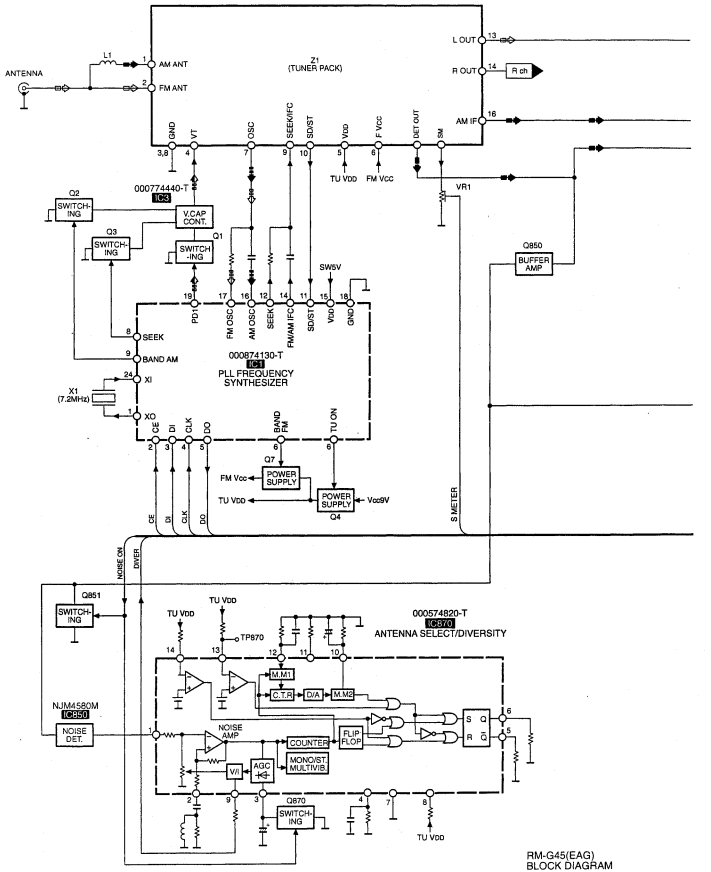
DSB15T

SEA

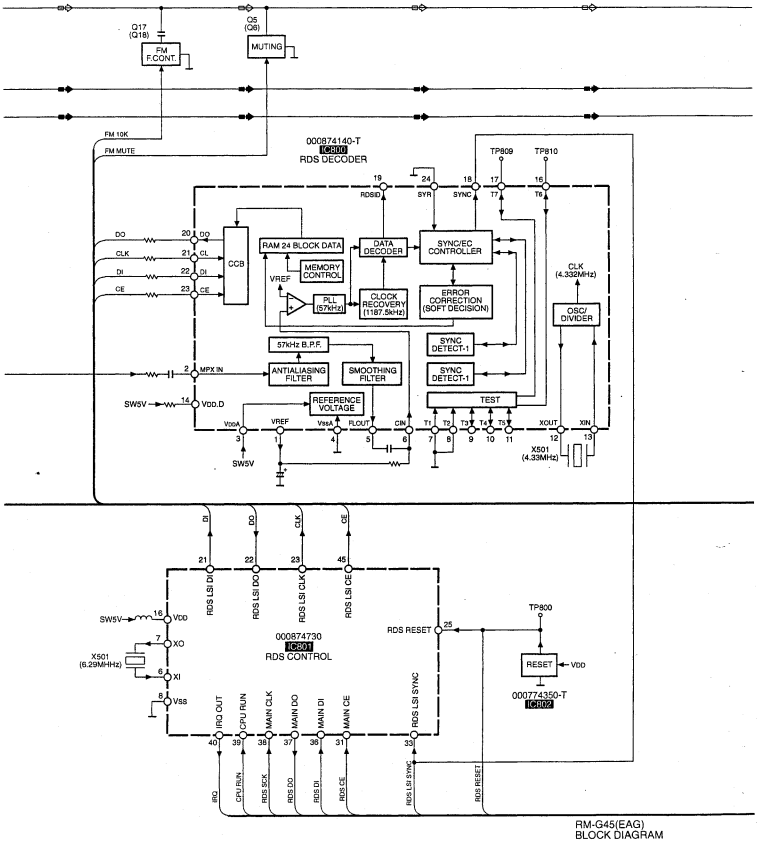
7 Wiring Connection Diagram



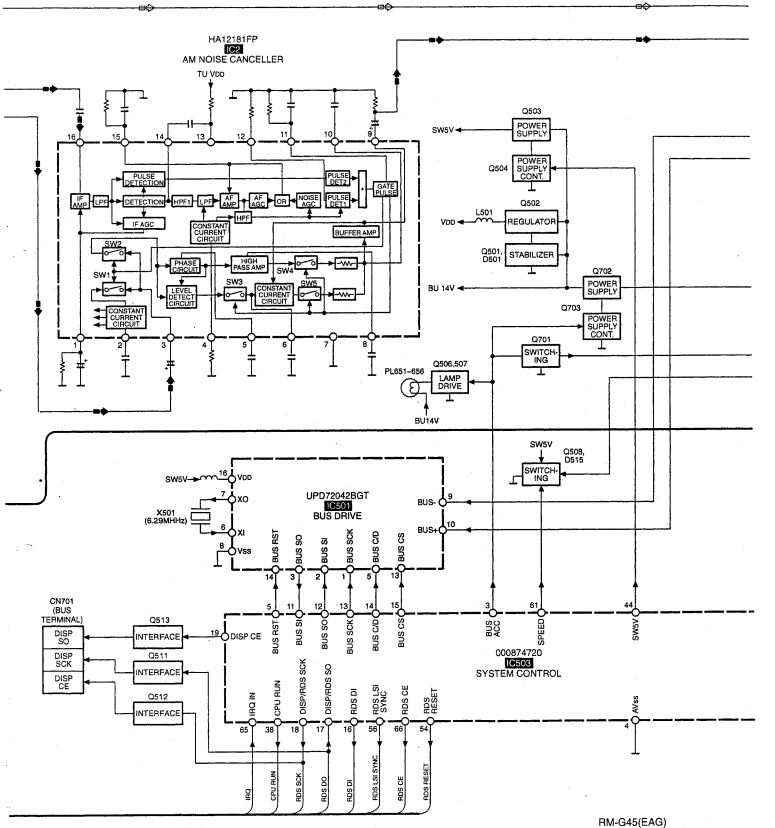
8 Block Diagram



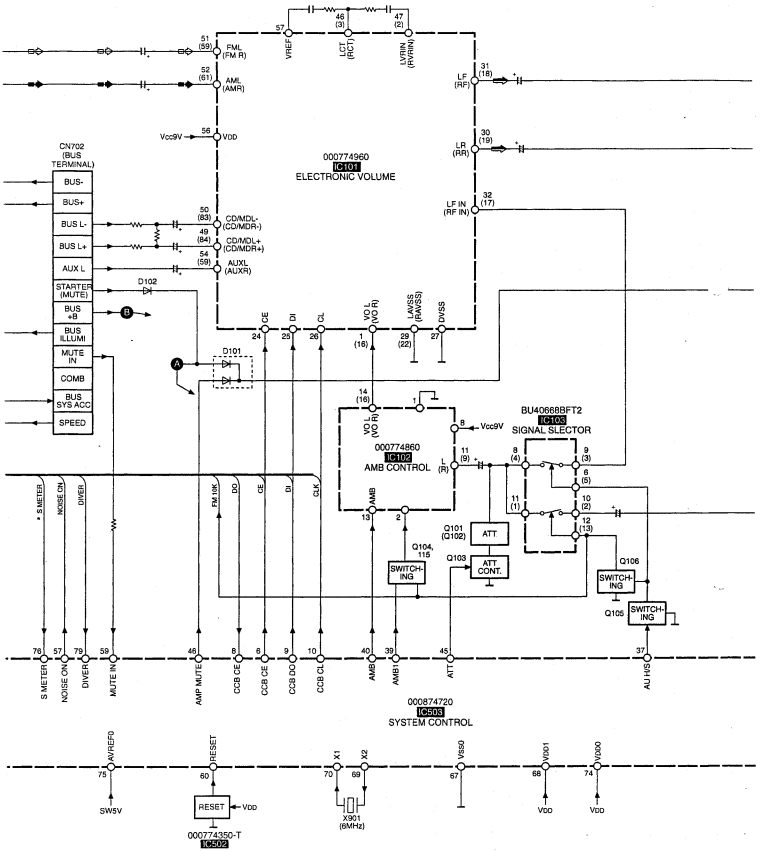
RM-G45(EAG)
BLOCK DIAGRAM



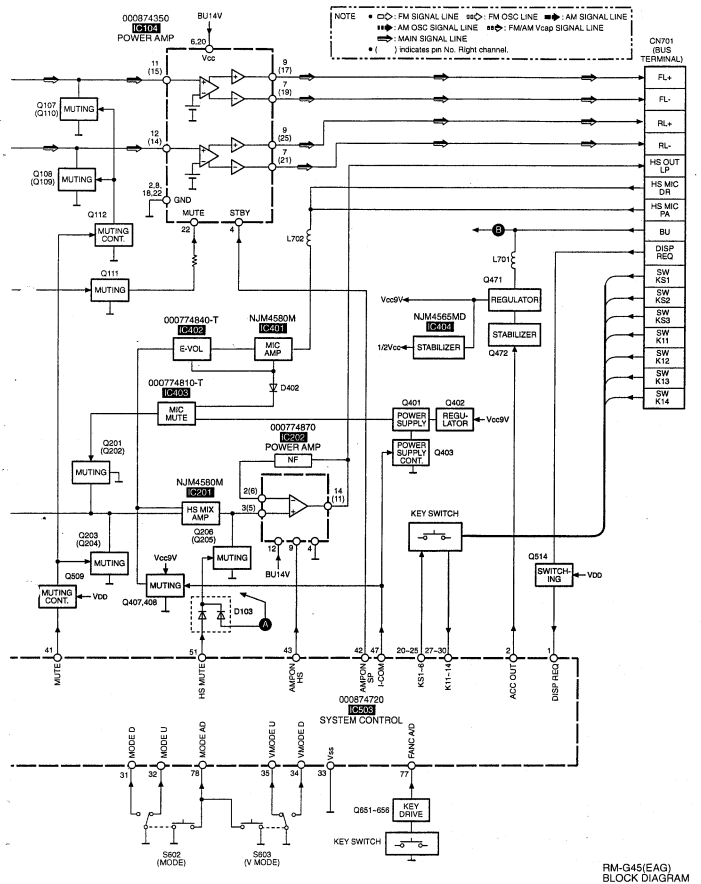
RM-G45(EAG)
BLOCK DIAGRAM



RM-G45(EAG)
BLOCK DIAGRAM



RM-G45(EAG)
BLOCK DIAGRAM



RM-G45(EAG)
BLOCK DIAGRAM

SEA

9 Terminal Function of IC

9.1. IC503(000874720): System Control

Pin No.	Terminal Name	I/O	Function
1	DISPREQ	I	Request signal input
2	ACC OUT	O	Power supply control signal output
3	BUS ACC	O	System power supply control signal output
4	AV_{SS}	-	GND
5	BUS RST	O	Reset signal output
6	CCB CE	O	Chip enable signal output
7	AVREF1	-	Not used, connected to V_{DD}
8	CCB DI	I	Data signal input
9	CCB DO	O	Data signal output
10	CCB CL	O	Clock signal output
11	BUS SI	I	Serial data input
12	BUS SO	O	Serial data output
13	BUS SCK	O	Serial clock signal output
14	BUS C/D	O	Command data signal output
15	BUS CS	O	Chip select signal output
16	RDS DI	I	Serial data input from IC801
17	DISP/RDS SO	O	Serial data output for LCD and IC801
18	DISP/RDS SCK	O	Serial clock output for LCD and IC801
19	DISP CE	O	Chip enable output for LCD
20 I 26	KS1 I KS7	O	Key source signal output
27 I 30	K11 I K14	I	Key return signal input
31	MODE D	I	Mode switch signal input
32	MODE U	I	Mode switch signal input
33	V_{SS}	-	GND
34	V MODE D	I	V mode switch signal input
35	V MODE U	I	V mode switch signal input
36	CB H/S	-	Not used
37	AU H/S	O	Audio sound select signal output
38	CPU RUN	O	CPU run signal output
39	AMB1	O	AMB control signal output
40	AMB	O	AMB ON/OFF signal output
41	MUTE	O	Audio mute signal output
42	AMPON SP	O	Power amp ON/OFF control signal output for speaker
43	AMPON HS	O	Power amp ON/OFF control signal output for headphone
44	SW5V	O	Power supply control signal output
45	ATT	O	Audio ON/OFF control signal output
46	AMP MUTE	O	Power amp mute control signal output for speaker
47	I-COM	O	Power supply control signal output for INTERCOM interrupt mute
48	IEV DO	O	Electric volume data output for INTERCOM microphone volume control and mute
49	IEV CL	O	Electric volume clock output for INTERCOM microphone volume control and mute
50	BEEP	O	Beep signal output
51	HS MUTE	O	Power amp mute control signal output for headset
52	NC	-	Not used
53	NC	-	Not used
54	RDS RESET	O	RDS reset signal output
55	NC	-	Not used
56	RDS LSI SYNC	I	RDS sync detect signal input
57	NOISE ON	O	Noise on signal output
58	FM MUTE	O	Mute signal output
59	MUTE IN	I	Mute key ON/OFF detect signal input
60	RESET	I	System reset signal input
61	SPEED	I	Speed pulse signal input
62	BUS IRQ	I	Interrupt request signal input
63	ACC IN	I	ACC ON/OFF signal input
64	CB SCK	-	Not used
65	IRQIN	I	Request signal input
66	RDS CE	O	RDS chip enable signal output
67	$V_{SS}0$	-	GND
68	$V_{DD}1$	I	Power supply terminal
69	X2	O	Crystal oscillator connected terminal (F=5 MHz)
70	X1	I	
71	IC	-	Connected to V_{SS}
72	XT2	-	Not used
73	XT1	-	Connected to V_{SS}
74	$AV_{DD}0$	I	Power supply terminal
75	AVREF0	I	Reference voltage input
76	S METER	I	S meter voltage input
77	FANCAD	I	Key detect signal input
78	MODEAD	I	Mode detect signal input
79	DIVER	I	RDS noise detect signal
80	NOISE DET	I	RDS noise detect signal

10 Replacement Parts List

Notes:

- Important safety notice:

  Components identified by ⚠ mark have special characteristics important for safety.

  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

  When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	VMA0F16	TRANSISTOR FIXER	1	
2	VSC5054	HEAT SINK	1	
3	VMA0F17	IC FIXER	1	
4	VMA0F23	AMP PWB HOLDER	1	
5	VMA0J57	PCB HOLDER	1	
6	VMA0F18	ENCODER BRACKET	2	
7	VGP5518	UPPER PANEL	1	
8	VGK2600	ORNAMENT (L)	1	
9	VGK2601	ORNAMENT (R)	1	
10	VXU1572	BUTTON ASS'Y, A.SEL/RPT	1	
11	VXU1585	BUTTON ASS'Y,PTY	1	
12	VXU1584	BUTTON ASS'Y,I-COM	1	
13	VXU1570	BUTTON ASS'Y,AUDIO	1	
14	VXU1574	BUTTON ASS'Y,1-2	1	
15	VXU1575	BUTTON ASS'Y,3-4	1	
16	VXU1576	BUTTON ASS'Y,5-6	1	
17	VXU1591	BUTTON ASS'Y,L	1	
18	VXU1588	BUTTON ASS'Y,U2	1	
19	VXU1587	BUTTON ASS'Y,U1	1	
20	VXU1582	BUTTON ASS'Y,AUX	1	
21	VXU1589	BUTTON ASS'Y,M-	1	
22	VXU1580	BUTTON ASS'Y,CD	1	
23	VGL0865	ILLUMINATOR (ENCODER) L	1	
24	VMG1297	PACKING (KNOB)	2	
25	VMG1294	PACKING (ENCODER)	2	
26	VGL0884	ILLUMINATOR (BUTTON)	1	
27	VMG1295	RUBBER CONTACT	1	
28	VMK0507	RUBBER CONTACT HOLDER	1	
29	VGU8468	KNOB ASS'Y,ENCODER	2	
30	VMD4127	DRAIN PIPE	2	
31	VRM5389	INNER CASE	1	
32	VMA0F20	CONNECTOR HOLDER	1	
33	VKF3229	BOTTOM PLATE	1	
34	VMG1293	PACKING (UPPER CASE)	1	
35	VMG1298	PACKING (CONNECTOR)	2	
36	VMA0F19	GUIDE PLATE ASS'Y	1	
37	VMG1391	PACKING B	1	
38	YM3022000	SCREW	4	
39	XTN3+8J	SCREW	1	
40	XTN3+10J	SCREW	3	
41	YM3020002	SCREW	2	
42	VGL0908	ILLUMINATOR (ENCODER) R	1	
43	XTT26A2BPC	SCREW	7	
44	XYN3+F8	SCREW	5	
45	XSB3+10	SCREW	3	
46	XSB3+6	SCREW	9	
47	XYN4+C8	SCREW	2	
48	VGN9626	NAME LABEL	1	
49	YM3020001	SCREW	4	
50	VMG1359	PACKING A	2	
C2	CY104423J	0.1UF	1	
C3	CE1071428	100UF/10V	1	
C4	CY104423J	0.1UF	1	
C6	CY473623J	0.047UF	1	
C7,8	CY123623J	0.012UF	2	
C9	CY472623J	0.0047UF	1	
C10	CY102623J	0.001UF	1	
C11	CQ333328J	0.033UF	1	
C12	CY222623J	0.0022UF	1	
C13	CY473623J	0.047UF	1	
C14	CE4763288	47UF/16V	1	
C16	CB2253G0N-A	2.2UF/16V	1	
C17	CE1071428	100UF/10V	1	
C18	CY223623J	0.022UF	1	
C19	CE1063728	10UF/16V	1	
C20	CY473623J	0.047UF	1	
C21	CZ331GD2J	330PF	1	
C22	CY103623J	0.01UF	1	
C23	CE1063728	10UF/16V	1	
C24,25	CZ270GD2J	27PF	2	
C26	CZ331GD2J	330PF	1	
C27,28	CY105102J	1UF	2	
C37,38	CY183623J	0.018UF	2	
C51	CY102623J	0.001UF	1	
C53	CE1071428	100UF/10V	1	
C55	CY683423J	0.068UF	1	
C56	CY102623J	0.001UF	1	
C57	CY224123J	0.22UF	1	
C58	CY682623J	0.0068UF	1	
C59	CY333623J	0.033UF	1	
C60	CY683423J	0.068UF	1	
C61	CY103623J	0.01UF	1	
C62	CE2246728	0.22UF/50V	1	
C63	CE3356728	3.3UF/50V	1	
C64	CY333623J	0.033UF	1	
C65	CY683423J	0.068UF	1	
C66,67	CY333623J	0.033UF	2	
C101	CY333623J	0.033UF	1	
C102	CY152623J	0.0015UF	1	
C103	CZ331GD2J	330PF	1	
C104	CE1063728	10UF/16V	1	
C105	CE1063818	10UF/16V	1	
C106	CY224123J	0.22UF	1	
C107	CY473623J	0.047UF	1	
C108	CE1056728	1UF/50V	1	
C109	CE1063818	10UF/16V	1	
C110	CE1056728	1UF/50V	1	
C111	CY105102J	1UF	1	
C112	CE1056818	1UF/50V	1	
C113	CY333623J	0.033UF	1	
C114	CY105102J	1UF	1	
C115,16	CE1056728	1UF/50V	2	
C117	CE1056818	1UF/50V	1	
C118	CZ331GD2J	330PF	1	
C119	CE1063818	10UF/16V	1	
C120	CY224123J	0.22UF	1	
C121	CY473623J	0.047UF	1	
C122	CE1063818	10UF/16V	1	
C123,24	CE1071818	100UF/10V	2	
C125	CY333623J	0.033UF	1	
C126	CE1063728	10UF/16V	1	
C127-29	CY152623J	0.0015UF	3	
C131	CZ1016D2J	100PF	1	
C132,33	CQ3316Z8J	330PF	2	
C134	CE4753728	4.7UF/16V	1	
C135	CE1063818	10UF/16V	1	
C136	CE4763818	47UF/16V	1	
C137	CE1063818	10UF/16V	1	
C138	CE4753728	4.7UF/16V	1	
C139	CZ1016D2J	100PF	1	
C140-43	CE1063818	10UF/16V	4	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C144	CY332623J	0.0033UF	1	
C147	CY152623J	0.0015UF	1	
C148	CY332623J	0.0033UF	1	
C149	CY152623J	0.0015UF	1	
C150	CY104626J	0.1UF	1	
C151	CE1071818	100UF/10V	1	
C152	CY105102J	1UF	1	
C155-58	CK4746G0N	0.47UF	4	
C161,62	CE1056728	1UF/50V	2	
C163	CY103623J	0.01UF	1	
C164	CY562623J	0.0056UF	1	
C165	CY103623J	0.01UF	1	
C166	CY562623J	0.0056UF	1	
C171-74	CE3346818	0.33UF/50V	4	
C175	CE2263288	22UF/16V	1	
C181-84	CX224680M	0.22UF	4	
C185	CE1056788	1UF/50V	1	
C186	CE1071788	100UF/10V	1	
C187	CE2263288	22UF/16V	1	
C188	CY102623J	0.001UF	1	
C189	CE4746788	0.47UF/50V	1	
C201	CE1056728	1UF/50V	1	
C202,03	CE1016D2J	100PF	2	
C204	CE4763288	47UF/16V	1	
C205,06	CE1056728	1UF/50V	2	
C207	CE1071788	100UF/10V	1	
C208	CE4773757	470UF/16V	1	
C209	CE4771578	470UF/10V	1	
C210,11	CY104423J	0.1UF	2	
C212	CE1071788	100UF/10V	1	
C213	CE4771578	470UF/10V	1	
C214	CE4773757	470UF/16V	1	
C215	CE4763288	47UF/16V	1	
C216	CY392623J	0.0039UF	1	
C217	CE4763788	47UF/16V	1	
C218	CY392623J	0.0039UF	1	
C219	CE4763788	47UF/16V	1	
C220-22	CE1056728	1UF/50V	3	
C223	CE2263288	22UF/16V	1	
C224	CE4763288	47UF/16V	1	
C225	CE1063728	10UF/16V	1	
C401	CE4763288	47UF/16V	1	
C402	CE1063728	10UF/16V	1	
C403	CE1071428	100UF/10V	1	
C404	CY103623J	0.01UF	1	
C405	CY105102J	1UF	1	
C406	CY103623J	0.01UF	1	
C407	CS225360N-A	2.2UF/16V	1	
C408	CY103623J	0.01UF	1	
C409	CY473623J	0.047UF	1	
C410	CS681D2J	680PF	1	
C411	CY473623J	0.047UF	1	
C412	CY154323J	0.15UF	1	
C413	CY473623J	0.047UF	1	
C414	CS106160N-A	10UF/10V	1	
C415	CS560D2J	56PF	1	
C416,17	CY103623J	0.01UF	2	
C418	CS225360N-A	2.2UF/16V	1	
C419	CY104423J	0.1UF	1	
C420	CS106160N-A	10UF/10V	1	
C451	CE4763818	47UF/16V	1	
C452	CS2216D2J	220PF	1	
C453	CE1063728	10UF/16V	1	
C454	CY103623J	0.01UF	1	
C471	CE1071818	100UF/10V	1	
C472	CE1063818	10UF/16V	1	
C502	CW104F007	0.1F/5.5V	1	
C503	CE1063728	10UF/16V	1	
C504,05	CY102623J	0.001UF	2	
C506	CY103623J	0.01UF	1	
C507	CY104626J	0.1UF	1	
C508,09	CK2206D2J	22PF	2	
C510,11	CY104626J	0.1UF	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C512	CE1071428	100UF/10V	1	
C513	CS1016D2J	100PF	1	
C514	CY152623J	0.0015UF	1	
C517	CY104423J	0.1UF	1	
C518	CY222623J	0.0022UF	1	
C519	CY104626J	0.1UF	1	
C521,22	CY104626J	0.1UF	2	
C525	CY103623J	0.01UF	1	
C651-57	CY103622J	0.01UF	7	
C701-06	CY102623J	0.001UF	6	
C707,08	CS1016D2J	100PF	2	
C709-11	CY102623J	0.001UF	3	
C712,13	CS2206D2J	22PF	2	
C714	CY223623J	0.022UF	1	
C715	CY102623J	0.001UF	1	
C716-18	CS2206D2J	22PF	3	
C719,20	CY102623J	0.001UF	2	
C721	CS1016D2J	100PF	1	
C722	CY102623J	0.001UF	1	
C723,24	CS2206D2J	22PF	2	
C725	CY392623J	0.0039UF	1	
C726,27	CE2283807	2200UF/16V	2	
C728	CY104D15J	0.1UF	1	
C729	CE2263288	22UF/16V	1	
C730	CY104D15J	0.1UF	1	
C747-50	CY102623J	0.001UF	3	
C751-54	CQ102620J	0.001UF	4	
C755,56	CS1016D2J	100PF	2	
C757	CY102623J	0.001UF	1	
C763,64	CY102623J	0.001UF	2	
C771	CY102623J	0.001UF	1	
C807	CS2206D2J	22PF	1	
C808	CS2316D2J	330PF	1	
C809	CS561E0J	560PF	1	
C810	CS2206D2J	22PF	1	
C811	CS106160N-A	10UF/10V	1	
C813,14	CY104426J	0.1UF	2	
C816	CY104426J	0.1UF	1	
C827	CY104426J	0.1UF	1	
C850	CY104423J	0.1UF	1	
C851,52	CS2719D2J	270PF	2	
C853	CE1063728	10UF/16V	1	
C854	CS2716D2J	270PF	1	
C855	CY103623J	0.01UF	1	
C856	CE1063728	10UF/16V	1	
C857	CY104423J	0.1UF	1	
C859	CS2316D2J	330PF	1	
C870,71	CE4763288	47UF/16V	2	
C872	CY104423J	0.1UF	1	
C874	CY103623J	0.01UF	1	
C875	CY333623J	0.033UF	1	
C876	CE1056728	1UF/50V	1	
C877	CY332623J	0.0033UF	1	
CN1	000393620	ANTENNA JACK	1	
CN101	KZ0351000	CONNECTOR	1	
CN131	KZ0361000	CONNECTOR	1	
CN201,02	KZ0360600	CONNECTOR	2	
CN211,12	KZ0350600	CONNECTOR	2	
CN501,02	KZ0360800	CONNECTOR	2	
CN503	KN0703090	CONNECTOR	1	
CN504	KN0704090	CONNECTOR	1	
CN601,02	KZ0350800	CONNECTOR	2	
CN701	KK0183400	CONNECTOR	1	
CN702	KK0183401	CONNECTOR	1	
CN800	KZ0350600	CONNECTOR	1	
CNB01	KZ0360600	CONNECTOR	1	
CNB02	KZ0351000	CONNECTOR	1	
CNB03	KZ0361000	CONNECTOR	1	
D101-03	DAN202K	DIODE	3	
D401	MA8056-M	DIODE	1	
D402	DA204K	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D501-03	MA8056-M	DIODE	3	
D504	2MA8062ML	DIODE	1	
D505-10	MA111	DIODE	6	
D515	MA111	DIODE	1	
D701	DSB15Z	DIODE	1	
D710	MA111	DIODE	1	
DSP1	0001B2030	DIA SERGE PROTECTOR	1	
ET1	RJR0175T	EARTH TERMINAL	3	
IC1	000874130-T	IC	1	
IC2	HA1218IFP	IC	1	
IC3	000774440-T	IC	1	
IC101	000774960	IC	1	
IC102	000774860	IC	1	
IC103	BU4066BFT2	IC	1	
IC104	000874350	IC	1	
IC201	NJM4580M	IC	1	COABBB000216
IC202	000774870	IC	1	
IC401	NJM4580M	IC	1	COABBB000216
IC402	000774840-T	IC	1	
IC403	TA75393F	IC	1	
IC404	NJM456SMD	IC	1	COABBB000120
IC501	UPD72042BGT	IC	1	
IC502	000774350-T	IC	1	
IC503	000874720	IC	1	
IC800	000874140-T	IC	1	
IC801	000874730	IC	1	
IC802	000774350-T	IC	1	
IC850	NJM4580M	IC	1	COABBB000216
IC970	000574820-T	IC	1	
JC1	ERJ8GEY0R00	CHIP JUMPER	1	
JC4-5	ERJ8GEY0R00	CHIP JUMPER	2	
JC7,8	ERJ8GEY0R00	CHIP JUMPER	2	
JC9,10	ERJ3GEY0R00	CHIP JUMPER	2	
JC11-13	ERJ8GEY0R00	CHIP JUMPER	3	
JC800	ERJ3GEY0R00	CHIP JUMPER	1	
JC802	ERJ8GEY0R00	CHIP JUMPER	1	
L1	LC470K10J	COIL	1	
L501	LC4R7K10J	COIL	1	
L502,03	000293630-T	COIL	2	
L701	000125581	COIL	1	
L702-04	000293630-T	COIL	3	
L870	LC101K10J	COIL	1	
LN501-05	000393640-T	CHIP IMPEDA	5	
PL651-56	000282820	PILOT LAMP	6	
Q1	2SK1829TE85L	TRANSISTOR	1	B1CFDC000001
Q2,3	TRC124EUL-A	TRANSISTOR	2	
Q4	DTB123YK	TRANSISTOR	1	
Q5,6	DTC343TK	TRANSISTOR	2	
Q7	DTB123YK	TRANSISTOR	1	
Q17,18	DTC144EUA106	TRANSISTOR	2	B1GBCFNN0009
Q101,02	TRC114TUL-A	TRANSISTOR	2	
Q103	DTA114YUA106	TRANSISTOR	1	B1GDCFJN0011
Q104	DTC144EUA106	TRANSISTOR	1	B1GBCFNN0009
Q105	2SC2412Q	TRANSISTOR	1	
Q106	DTC114YUA106	TRANSISTOR	1	B1GBCFJN0009
Q107-10	DTC343TK	TRANSISTOR	4	
Q111	DTC114YUA106	TRANSISTOR	1	B1GBCFJN0009
Q112	DTA114YUA106	TRANSISTOR	1	B1GDCFJN0011
Q115	DTC144EUA106	TRANSISTOR	1	B1GBCFNN0009
Q201,02	TRC114TUL-A	TRANSISTOR	2	
Q203-06	DTC343TK	TRANSISTOR	4	
Q401	DTA114YUA106	TRANSISTOR	1	B1GDCFJN0011
Q402	2SC2412Q	TRANSISTOR	1	
Q403	DTC114YUA106	TRANSISTOR	1	B1GBCFJN0009
Q405	TRC124EUL-A	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q407	DTC343TK	TRANSISTOR	1	
Q408	DTC114YUA106	TRANSISTOR	1	B1GBCFJN0009
Q471	B1BCCQ000002	TRANSISTOR	1	
Q472	TRUM5NL	TRANSISTOR	1	
Q501	2SC2412Q	TRANSISTOR	1	
Q502	TRB114SS1	TRANSISTOR	1	
Q503	DTB123YK	TRANSISTOR	1	
Q504	DTC114YUA106	TRANSISTOR	1	B1GBCFJN0009
Q505,06	2SC2412Q	TRANSISTOR	2	
Q507	2SC4483R	TRANSISTOR	1	
Q508	B1ADCF000001	TRANSISTOR	1	
Q509	2SC2412Q	TRANSISTOR	1	
Q511-13	TRC124EUL-A	TRANSISTOR	3	
Q514	B1ADCF000001	TRANSISTOR	1	
Q651-56	DTC114YUA106	TRANSISTOR	6	B1GBCFJN0009
Q701	DTC114YUA106	TRANSISTOR	1	B1GBCFJN0009
Q702	DTA114YUA106	TRANSISTOR	1	B1GDCFJN0011
Q703	DTC114YUA106	TRANSISTOR	1	B1GBCFJN0009
Q850	2SC2412Q	TRANSISTOR	1	
Q851	TRC124EUL-A	TRANSISTOR	1	
Q870	TRC124EUL-A	TRANSISTOR	1	
R1	RK101JA0J	1/10W 100	1	
R2	ERJ6GEYJ100	1/10W 10	1	
R3	ERJ6GEYG470	1/10W 47	1	
R4,5	RK473JA0J	1/10W 47K	2	
R7	RK473JA0J	1/10W 47K	1	
R9,10	RK182JA0J	1/10W 1.8K	2	
R11	RK101JA0J	1/10W 100	1	
R12	RK222JA0J	1/10W 2.2K	1	
R13	RK123JA0J	1/10W 12K	1	
R14,15	RK103JA0J	1/10W 10K	2	
R16	RK102JA0J	1/10W 1K	1	
R17,18	RK223JA0J	1/10W 22K	2	
R19,20	RK472JA0J	1/10W 4.7K	2	
R21,22	RK102JA0J	1/10W 1K	2	
R23	RK101JA0J	1/10W 100	1	
R24	RK224JA0J	1/10W 220K	1	
R25	RK2R2JA0J	1/10W 2.2	1	
R26-28	RK102JA0J	1/10W 1K	3	
R29	RK471JA0J	1/10W 470	1	
R30	RK222JA0J	1/10W 2.2K	1	
R31	ERJ3GEY0R00	1/10W 0	1	
R33	RK104JA0J	1/10W 100K	1	
R51	ERJ6GEYG470	1/10W 47	1	
R56	RK272JA0J	1/10W 2.7K	1	
R57	RK153JA0J	1/10W 15K	1	
R58	RK473JA0J	1/10W 47K	1	
R59	RK153JA0J	1/10W 15K	1	
R60	RK124JA0J	1/10W 120K	1	
R62	RK104JA0J	1/10W 100K	1	
R63	RK123JA0J	1/10W 12K	1	
R101	RK472JA0J	1/10W 4.7K	1	
R102	RK823JA0J	1/10W 82K	1	
R104	RK473JA0J	1/10W 47K	1	
R105	ERJ3GEY0R00	1/10W 0	1	
R109	ERJ3GEY0R00	1/10W 0	1	
R110	RK473JA0J	1/10W 47K	1	
R111	RK103JA0J	1/10W 10K	1	
R112	RK823JA0J	1/10W 82K	1	
R113-15	RK472JA0J	1/10W 4.7K	3	
R116	RK68R2JA0J	1/10W 6.8K	1	
R119	RK68R2JA0J	1/10W 6.8K	1	
R121,22	RK103JA0J	1/10W 10K	2	
R123,24	RK103JA0J	1/10W 10K	2	
R131,32	RK221JA0J	1/10W 220	2	
R133	RK103JA0J	1/10W 10K	1	
R134,35	RK102JA0J	1/10W 1K	2	
R136	RK224JA0J	1/10W 220K	1	
R137	RK822JA0J	1/10W 8.2K	1	
R138	RK223JA0J	1/10W 22K	1	
R139	RK105JA0J	1/10W 1M	1	
R141	RK223JA0J	1/10W 22K	1	

SEA

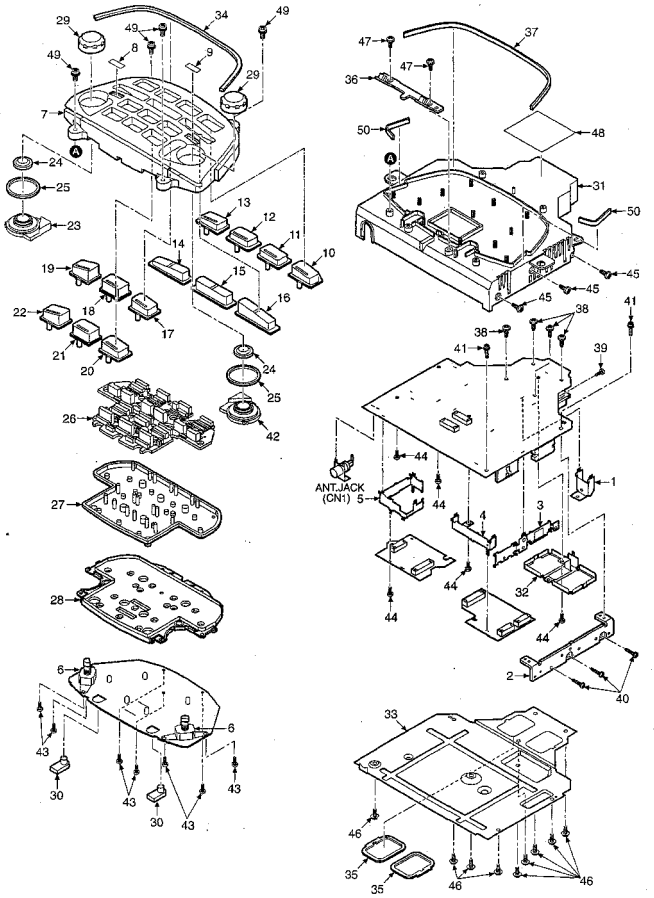
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R143	RK472JA0J	1/10W 4.7K	1	
R151	RK332JA0J	1/10W 3.3K	1	
R152,53	RK273JA0J	1/10W 27K	2	
R154,55	RK332JA0J	1/10W 3.3K	2	
R156,57	RK273JA0J	1/10W 27K	2	
R158	RK332JA0J	1/10W 3.3K	1	
R159	RK102JA0J	1/10W 1K	1	
R161	RK104JA0J	1/10W 100K	1	
R162	RK222JA0J	1/10W 2.2K	1	
R163	RK472JA0J	1/10W 4.7K	1	
R164	RK222JA0J	1/10W 2.2K	1	
R165,66	RK104JA0J	1/10W 100K	2	
R167,69	RK104JA0J	1/10W 100K	3	
R170	RK472JA0J	1/10W 4.7K	1	
R171	RK392JA0J	1/10W 3.9K	1	
R172	RK223JA0J	1/10W 22K	1	
R173	RK392JA0J	1/10W 3.9K	1	
R174	RK223JA0J	1/10W 22K	1	
R175	RK392JA0J	1/10W 3.9K	1	
R176	RK223JA0J	1/10W 22K	1	
R177	RK392JA0J	1/10W 3.9K	1	
R178	RK223JA0J	1/10W 22K	1	
R185,86	RK102JA0J	1/10W 1K	2	
R187	RK103JA0J	1/10W 10K	1	
R188,89	RK102JA0J	1/10W 1K	2	
R191	RK103JA0J	1/10W 10K	1	
R192	RK102JA0J	1/10W 1K	1	
R193,94	RK472JA0J	1/10W 4.7K	2	
R195	ERJ3GEY0R00	1/10W 0	1	
R201,02	RK221JA0J	1/10W 220	2	
R203	RK103JA0J	1/10W 10K	1	
R205,06	RK472JA0J	1/10W 4.7K	2	
R208	RK103JA0J	1/10W 10K	1	
R209	RK223JA0J	1/10W 22K	1	
R210	RK470JA0J	1/10W 47	1	
R211,12	RK475JA0J	1/10W 4.7M	2	
R213	RK223JA0J	1/10W 22K	1	
R214,15	RK1R0JA0J	1/10W 1	2	
R216,17	RK331JA0J	1/10W 330	2	
R218	RK103JA0J	1/10W 10K	1	
R219	RK333JA0J	1/10W 33K	1	
R220	RK472JA0J	1/10W 4.7K	1	
R221,22	RK103JA0J	1/10W 10K	2	
R223,24	RK273JA0J	1/10W 2.7K	2	
R225,26	RK102JA0J	1/10W 1K	2	
R227,28	RK102JA0J	1/10W 1K	2	
R401	RK102JA0J	1/10W 1K	1	
R402	RK470JA0J	1/10W 47	1	
R403	RK104JA0J	1/10W 100K	1	
R404	RK681JA0J	1/10W 680	1	
R405	RK151JA0J	1/10W 150	1	
R406	RK472JA0J	1/10W 4.7K	1	
R407	RK394JA0J	1/10W 390K	1	
R408	RK392JA0J	1/10W 3.9K	1	
R409	RK472JA0J	1/10W 4.7K	1	
R410	RK104JA0J	1/10W 100K	1	
R411	RK102JA0J	1/10W 1K	1	
R412	RK394JA0J	1/10W 390K	1	
R413	RK222JA0J	1/10W 2.2K	1	
R414	RK473JA0J	1/10W 47K	1	
R415	RK684JA0J	1/10W 680K	1	
R416	RK153JA0J	1/10W 15K	1	
R417	RK392JA0J	1/10W 3.9K	1	
R418,19	RK103JA0J	1/10W 10K	2	
R420	RK222JA0J	1/10W 2.2K	1	
R421,22	RK472JA0J	1/10W 4.7K	2	
R423	RK103JA0J	1/10W 10K	1	
R451	RK822JA0J	1/10W 8.2K	1	
R452	RK103JA0J	1/10W 10K	1	
R453	RK473JA0J	1/10W 47K	1	
R455	RK564JA0J	1/10W 560K	1	
R471	RK392DA1J	1/10W 3.9K	1	
R472	RK103JA0J	1/10W 10K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R473	RK472DA1J	1/10W 4.7K	1	
R474	RK102JA0J	1/10W 1K	1	
R501	RK223JA0J	1/10W 22K	1	
R502,03	ERJ8GEYJ101	1/8W 100	2	
R506	RK222JA0J	1/10W 2.2K	1	
R507,08	RK223JA0J	1/10W 22K	2	
R509	RK472JA0J	1/10W 4.7K	1	
R510	RK222JA0J	1/10W 2.2K	1	
R511	RK473JA0J	1/10W 47K	1	
R512	RK472JA0J	1/10W 4.7K	1	
R513	RK821JA0J	1/10W 820	1	
R514	RK333JA0J	1/10W 33K	1	
R515	RK473JA0J	1/10W 47K	1	
R516	RK223JA0J	1/10W 22K	1	
R517	RK822JA0J	1/10W 8.2K	1	
R518	RK473JA0J	1/10W 47K	1	
R519	RK103JA0J	1/10W 10K	1	
R520	RK473JA0J	1/10W 47K	1	
R521	ERJ8GEYJ680	1/8W 68	1	
R522	RK471JA0J	1/10W 470	1	
R523	ERJ8GEYJ152	1/8W 1.5K	1	
R524,25	RK103JA0J	1/10W 10K	2	
R526	RK222JA0J	1/10W 2.2K	1	
R527	RK103JA0J	1/10W 10K	1	
R531-33	RK681JA0J	1/10W 680	3	
R534,35	RK103JA0J	1/10W 10K	2	
R536	RK273JA0J	1/10W 27K	1	
R537	RK471JA0J	1/10W 470	1	
R538	RK103JA0J	1/10W 10K	1	
R599	ERJ3GEY0R00	1/10W 0	1	
R603	RK562JA0J	1/10W 5.6K	1	
R604	RK392JA0J	1/10W 3.9K	1	
R605	RK472JA0J	1/10W 4.7K	1	
R606	RK822JA0J	1/10W 8.2K	1	
R607	RK123JA0J	1/10W 12K	1	
R608	RK273JA0J	1/10W 27K	1	
R609	RK102JA0J	1/10W 1K	1	
R651-56	RK103JA0J	1/10W 10K	6	
R701,02	RK101JA0J	1/10W 100	2	
R703	ERJ8GEYJ472	1/8W 4.7K	1	
R705	ERJ8GEYJ121	1/8W 120	1	
R706	RK223JA0J	1/10W 22K	1	
R707	ERJ8GEYJ681	1/8W 680	1	
R710,11	RK222JA0J	1/10W 2.2K	2	
R800	RK100JA0J	1/10W 10	1	
R801	RK104JA0J	1/10W 100K	1	
R802	RK100JA0J	1/10W 10	1	
R803	ERJ6GEYG470	1/10W 47	1	
R804-06	RK473JA0J	1/10W 47K	3	
R807	RK223JA0J	1/10W 22K	1	
R811	ERJ3GEY0R00	1/10W 0	1	
R812	RK100JA0J	1/10W 10	1	
R814	ERJ3GEY0R00	1/10W 0	1	
R850	RK100JA0J	1/10W 10	1	
R851	RK105JA0J	1/10W 1M	1	
R852	RK222JA0J	1/10W 2.2K	1	
R853	RK471JA0J	1/10W 470	1	
R854	RK272JA0J	1/10W 2.7K	1	
R855	RK223JA0J	1/10W 22K	1	
R856	RK103JA0J	1/10W 10K	1	
R857	RK332JA0J	1/10W 3.3K	1	
R859	RK472JA0J	1/10W 4.7K	1	
R860	RK104JA0J	1/10W 100K	1	
R861	RK222JA0J	1/10W 2.2K	1	
R862	RK102JA0J	1/10W 1K	1	
R863	RK272JA0J	1/10W 2.7K	1	
R864	RK472JA0J	1/10W 4.7K	1	
R868	ERJ3GEY0R00	1/10W 0	1	
R869	RK222JA0J	1/10W 2.2K	1	
R870	RK330JA0J	1/10W 33	1	
R871,72	RK104JA0J	1/10W 100K	2	
R873	RK273JA0J	1/10W 27K	1	
R874	RK104JA0J	1/10W 100K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R875	RK273JA0J	1/10W 27K	1	
R876	RK104JA0J	1/10W 100K	1	
R877	RK273JA0J	1/10W 27K	1	
R878,79	RK102JA0J	1/10W 1K	2	
R880	RK103JA0J	1/10W 10K	1	
R881	RK104JA0J	1/10W 100K	1	
R882	RK103JA0J	1/10W 10K	1	
RN114	RR682J00J	1/16W 6.8K	1	
RN117	RR682J00J	1/16W 6.8K	1	
RN501-08	RR222J01J	1/16W 2.2K	8	
RN509	RR222J00J	1/16W 2.2K	1	
RN510,11	RR222J01J	1/16W 2.2K	2	
RN514,15	RR222J01J	1/16W 2.2K	2	
RN516	RR104J01J	1/16W 100K	1	
RN517	RR473J01J	1/16W 47K	1	
RN518	RR102J01J	1/16W 1K	1	
RN800	RR473J01J	1/16W 47K	1	
RN801-04	RR222J01J	1/16W 2.2K	4	
RN807,08	RR222J01J	1/16W 2.2K	2	
S602,03	G00392790	ROTARY ENCODER	2	
VR1	SFR224027	VR	1	
VR850	SFR104027	VR	1	
X1	G00171350-T	OSCILLATOR	1	
X501	RSXC38001	OSCILLATOR	1	
X502	G00067790-T	OSCILLATOR	1	
X800	G00171360-T	OSCILLATOR	1	
X901	G00067930-2	OSCILLATOR	1	
Z1	MX-E053CF	TUNER PACK	1	

SEA

11 Cabinet Parts Location



Modification of RM-G45PA

PANASONIC

Modification of RM-G45PA for European Version.(PA→EA/Frequency change.)

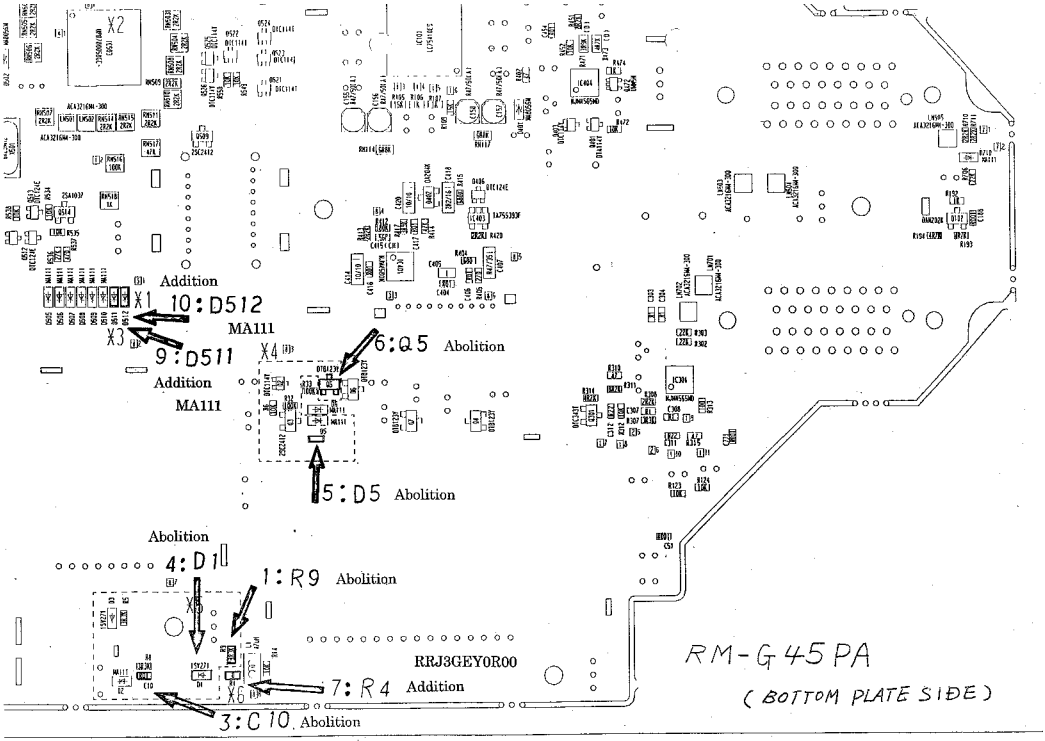
No	G45PA Ref No	Classification	Modification Details	Part No	Note
1	R9	R	Removal	—	1/10W 3.3K
2	R21	R	Removal	—	1/10W 100
3	C10	C	Removal	—	0.01uF
4	D1	Di	Removal	—	1SV271L
5	D5	Di	Removal	—	MA111
6	Q5	Tr	Removal	—	DTB123YKTW
7	R4	R	Additional	RRJ3GEY0R00	1/10W0
8	C21	C	Additional	ECUM1H331JCN	330pF
9	D511	Di	Additional	MA111	MA111
10	D512	Di	Additional	MA111	MA111
11	C7	C	Exchange	ECUM1H123KBN	0.018uF→0.012uF
12	C8	C	Exchange	ECUM1H123KBN	0.018uF→0.012uF

Restriction.

1. You can received a LW band program by WB key.
2. The mentioned characters on the audio source select keys are informal.

("U" →"FM" , "M" →"AM" , "L"→"WB",,)

3. Please look at S/M of the G45PA version about the remodeling work.


X1
X2
X3
X4
X5
X6
10 : D512
MA111
Addition
9 : D511
Addition
MA111
6 : Q5 Abolition
5 : D5 Abolition
Abolition
4 : D1
1 : R9 Abolition
RRJ3GEY0R00
7 : R4 Addition
3 : C10 Abolition
RM-G45PA
(BOTTOM PLATE SIDE)

Abolition
R21
Addition
8:C21
ECUM1H331JCN
Change
11:C7
ECUM1H123KBN
Change
12:C8
ECUM1H123KBN

PTP007443